

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface5 1530' FSL and 1520' FEL, Section 2, T31N, R14W
At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 miles West of La Plata, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1520'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1300'

16. NO. OF ACRES IN LEASE

4200.00

19. PROPOSED DEPTH

2500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6230' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	24# K-55	300'	300 sx Class B Neat-circ
7-7/8"	4-1/2" (New)	10.5# K-55	2623'	525 sx Cl B 50:50 POZ, 6% gel, 2# med tuf plug/sx, 0.8% FLA. Tail in with 100 sx Class B Neat-circ

The above well is being drilled to develop the Dakota formation. Drilling fluid will be a low solids non-dispersed mud system. Completion will be based on open hole logs. Amoco's standard blowout prevention will be employed.

The gas from this well is dedicated to Southern Union Gas Company. Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.

STIPULATIONS
ATTACHEDAPPROVED FOR A PERIOD
NOT TO EXCEED 1 YEAR.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED

RA Dunning

TITLE District Engineer

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

SEP 30 1980
Frederick C. Jones
FREDERICK C. JONES - ACTING DISTRICT
OIL & GAS SUPERVISOR*State**at 3:00**NA 12*

30-045-24605-

5. LEASE DESIGNATION AND SERIAL NO.

1-22-IND-619

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Mountain Tribe

7. UNIT AGREEMENT NAME

Develop Contract

#14-20-604-62

8. FARM OR LEASE NAME

Ute Indians "A"

9. WELL NO.

20

10. FIELD AND POOL, OR WILDCAT

Ute Dome Dakota

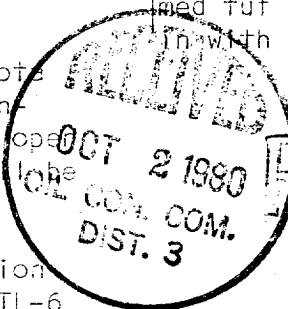
11. SEC. T., R., M., OR BLK.
AND SURVEY OR AREA

NW/4, SE/4, Section 2

T31N, R14W

12. COUNTY OR PARISH 13. STATE

San Juan New Mexico

RECEIVED
SEP 19 1980U. S. GEOLOGICAL SURVEY
DURANGO COLO.

September 16, 1980

All distances must be from the outer boundaries of the Section.

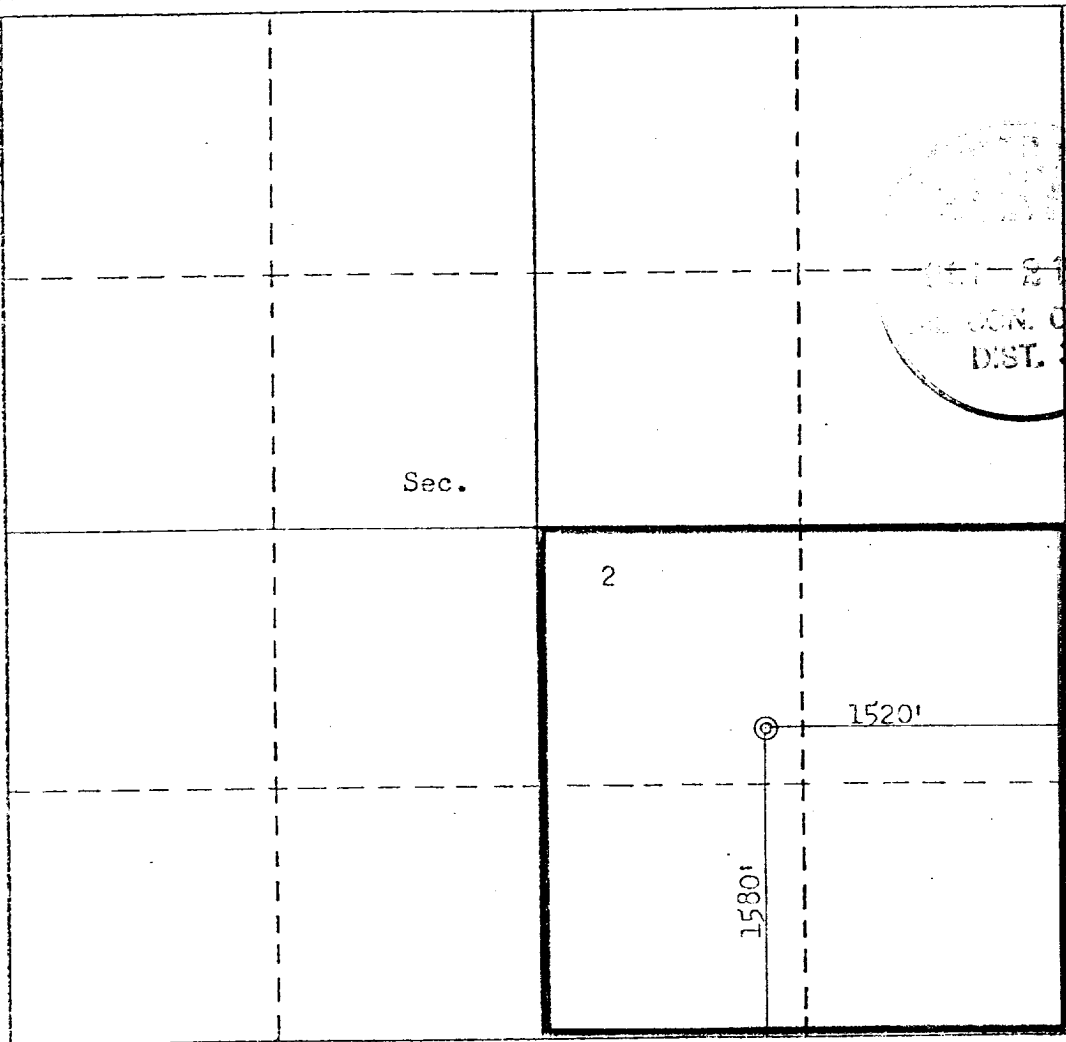
Operator AMOCO PRODUCTION COMPANY			Lease UTE INDIANS "A"		Well No. 20
Unit Letter J	Section 2	Township 31N	Range 11W	County San Juan	
Actual Footage Location of Well:					
1580 feet from the South line and		1520 feet from the East line			
Ground Level Elev. 6230	Producing Formation Dakota	Pool Ute Dome Dakota		Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Robert A. Downey
Name
R. A. DOWNEY

Position
DISTRICT ENGINEER

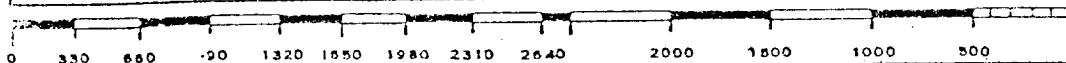
Company
AMOCO PRODUCTION COMPANY

Date
JULY 7, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
2-15-80
Registered Professional Engineer and/or Land Surveyor
2-15-80

Fred B. Kerr Jr.
Certificate No. **3950**



SUPPLEMENTAL INFORMATION TO FORM 9-331C

UTE INDIANS "A" NO. 20
1580' FSL & 1520' FEL, SECTION 2, T31N, R14W
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Cretaceous Menefee.

Estimated tops of important potential hydrocarbon bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Greenhorn	2243	+4000
Dakota	2443	+3800
TD	2693	+3550'

Estimated KB elevation: 6243'.

Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

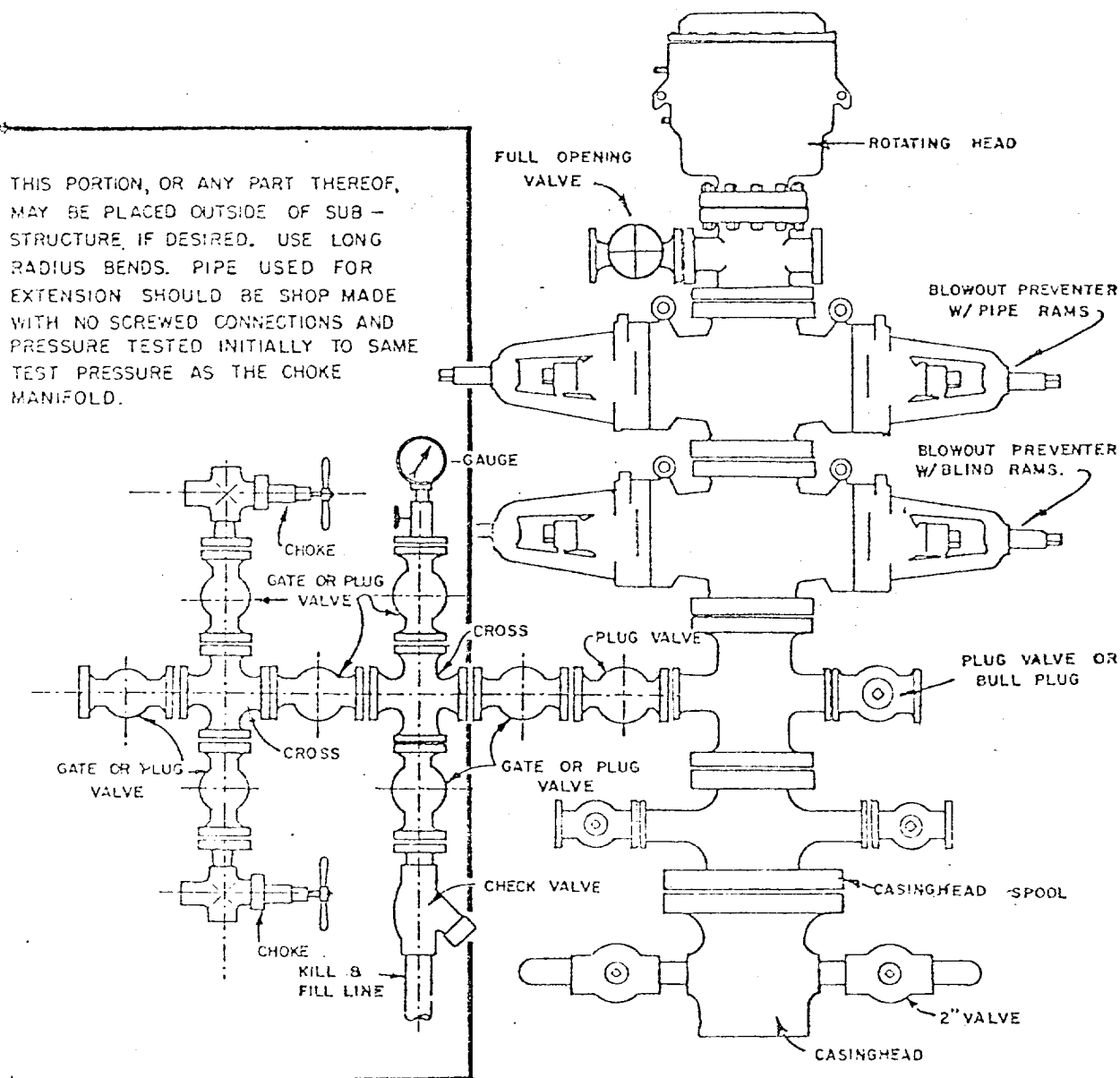
IES-SP-GR	300'-TD
FDC-CNL-GR	2000'-TD
CR	Surf-2000'

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 2 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1959

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

MULTI-POINT SURFACE USE PLAN

UTE INDIANS "A" NO. 20
1580' FSL & 1520' FEL, SECTION 2, T31N, R14W
SAN JUAN COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build an access road approximately five-eighths mile in length and 20 feet wide. Road to be bar ditched on two sides.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
4. There are no tanks nor facilities located near the proposed location.
5. Water will be hauled from the La Plata River.
6. No construction materials will be hauled in for this location.
7. A 100' by 100' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 6-foot cut will be made on top side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out as instructed by the Bureau of Indian Affairs.
11. The general topography is a site on top of rocky ridge, with rocky, sandy loam soil; vegetation consists of sagebrush, juniper trees and native grasses.

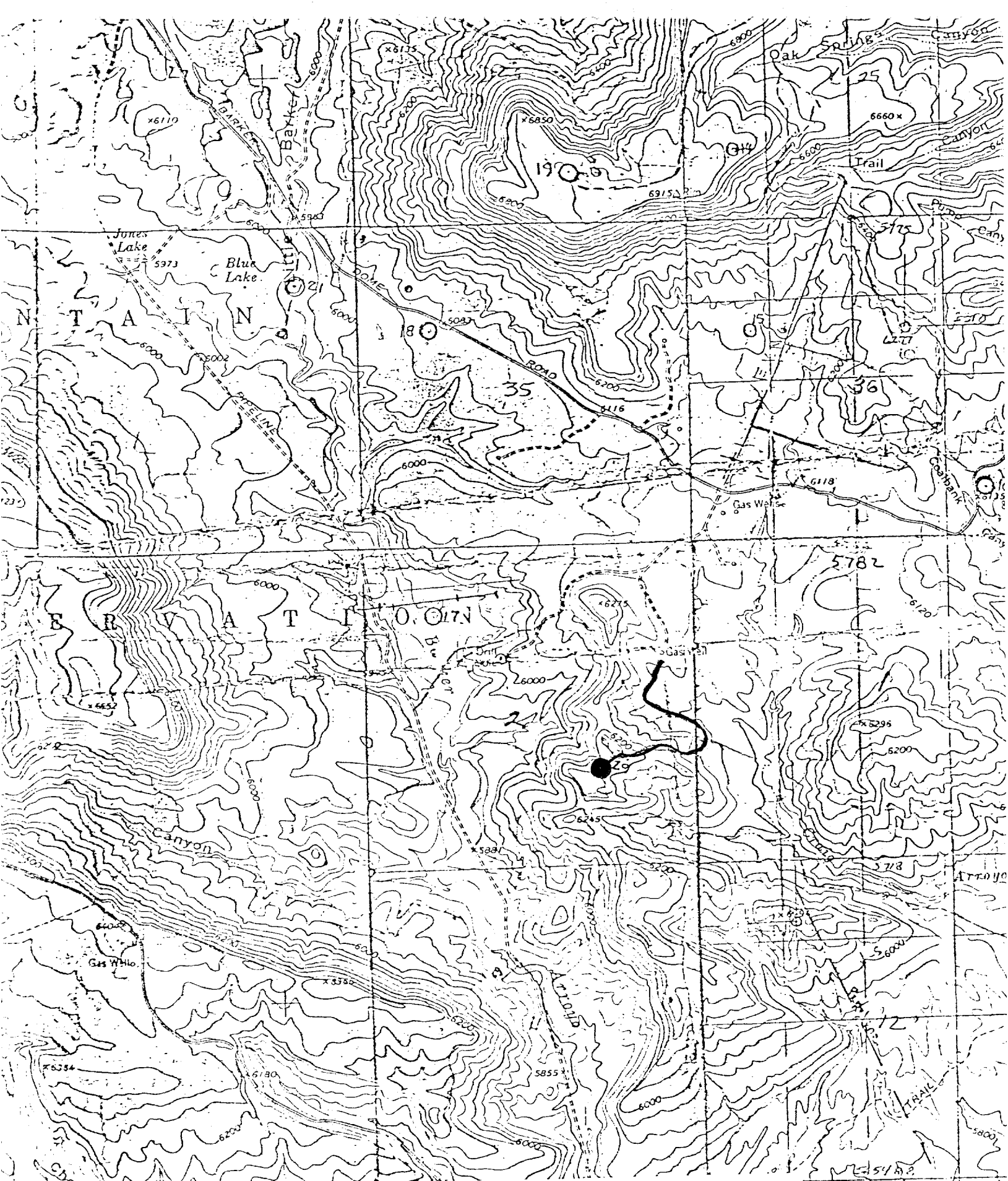
Representatives of the U. S. Geological Survey's Durango office and the Bureau of Indian Affairs' Towaoc office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from Salmon Ruins.

12. Operator's Representative: R. W. Schroeder
Phone: Office: 505-325-3841; Home: 505-325-6164
Address: 501 Airport Drive, Farmington, NM 87401

Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date September 10, 1980


R. W. Schroeder, District Superintendent

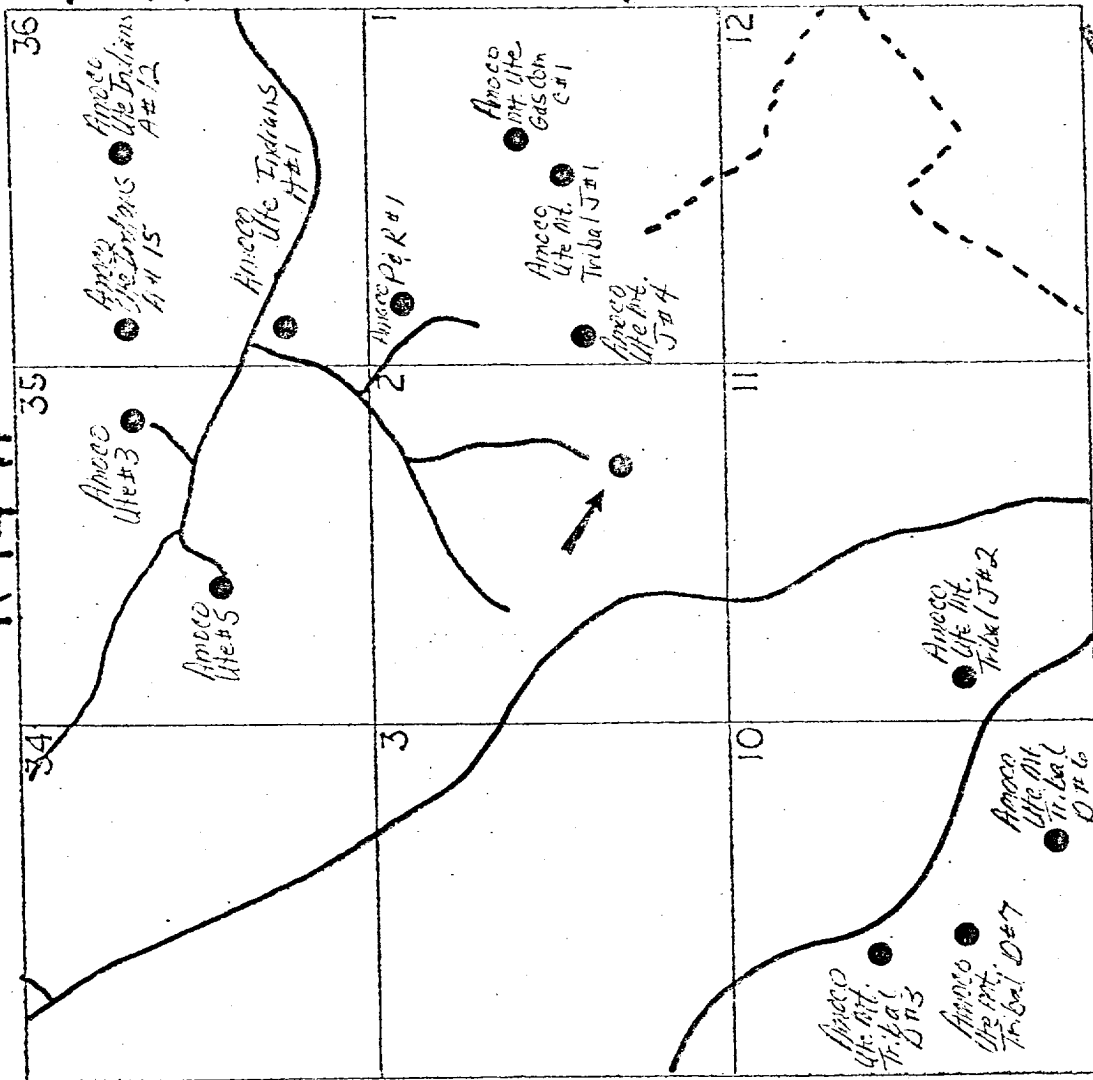


Vicinity Map for
AMOCO PRODUCTION CO. #20 UTE INDIANS "A"
1530' FSL 1520' FEL Sec. 2-T31N-R11W
SAN JUAN COUNTY, NEW MEXICO

R 14 W

T 32 N

T 31 N

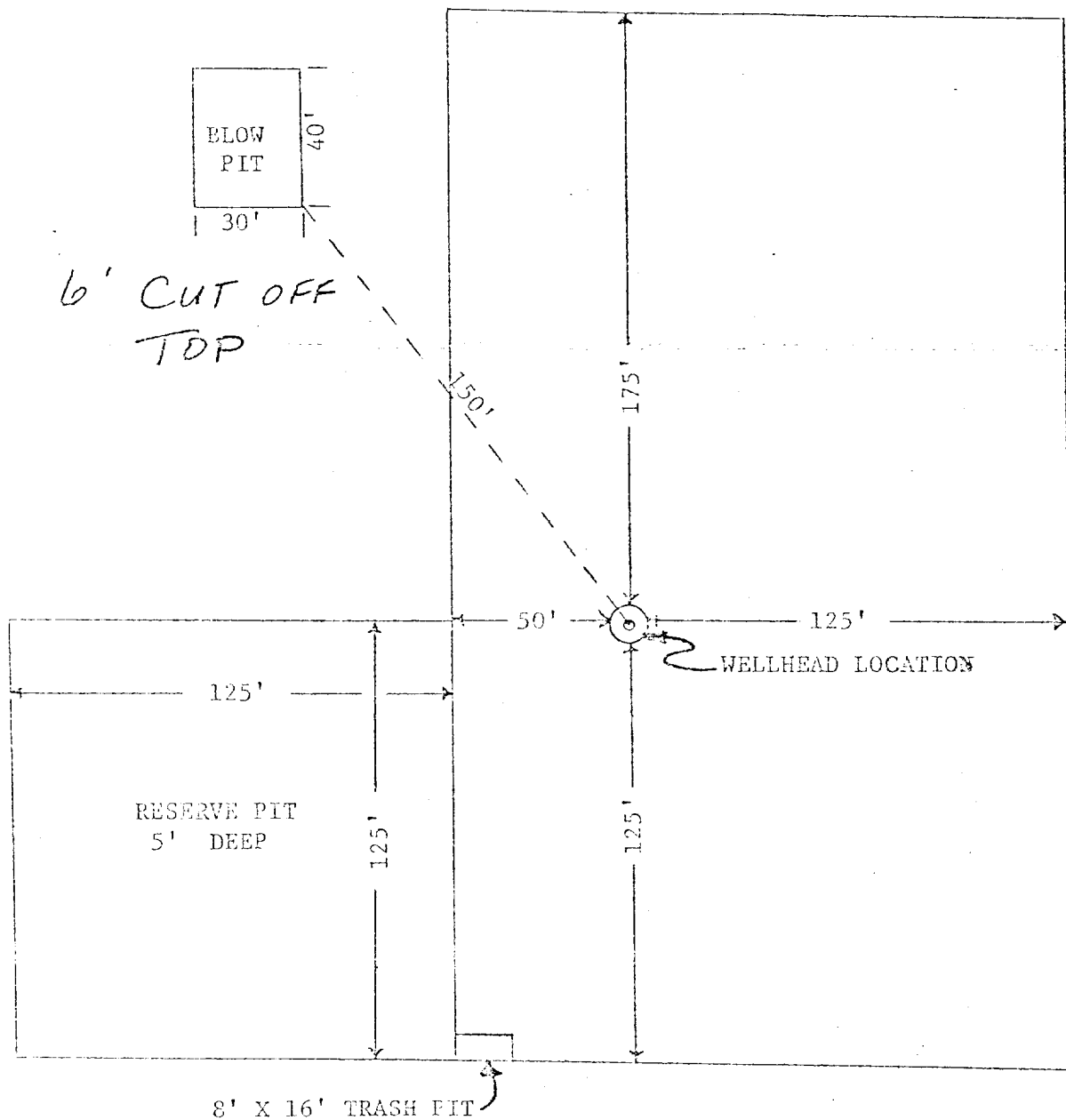


EXISTING DAKOTA WELLS

ROADS

JEEP TRAIL

SW



APPROXIMATELY 1.2 ACRES

Amoco Production Company
DRILLING LOCATION SPECIFICATIONS
UTE INDIANS "A" NO. 20

SCALE: 1"=50'

DRG.
NO.